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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Attorney Docket Number

32943/KMO/A97

TECH CENTER 1600/2900
Application Number

09/772,634

Filing Date

January 30, 2001

Applicant(s)

Steven W. Herring et al.

Group Art Unit

1645/63

Examiner Name

Not Yet Assigned MOHAMED

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	3,459,731	08/1969	Gramera et al.	260	209	
↑	4,089,944	05/1978	Thomas	424	101	
	4,178,454	12/1979	Naruto et al.	560	2	
	4,188,318	02/1980	Shanbrom	260	112	
	4,297,344	10/1981	Schwinn et al.	424	101	
	4,359,463	11/1982	Rock	424	101	
	4,369,184	01/1983	Stokbroekx et al.	424	267	
	4,371,673	02/1983	Pitha	525	426	
	4,511,651	04/1985	Beaty et al.	435	15	
	4,596,795	06/1986	Pitha	514	58	
	4,650,678	03/1987	Fuhge et al.	424	101	
	4,659,696	04/1987	Hirai et al.	514	15	
	4,727,064	02/1988	Pitha	514	58	
	4,751,095	06/1988	Karl et al.	426	548	
	4,764,604	08/1988	Muller	536	103	
	4,870,060	09/1989	Muller	514	58	
	4,876,244	10/1989	Umezawa et al.	514	19	
	4,877,778	10/1989	Carpenter et al.	514	58	
	4,925,678	05/1990	Ranney	424	493	
	B14,764,604	06/1990	Muller	536	103	
	4,956,274	09/1990	Khanna et al.	435	7	
	4,956,351	09/1990	Mesens et al.	514	58	
✓	4,971,797	11/1990	Cherukuri et al.	424	440	
	4,985,242	01/1991	Sekine et al.	424	85	
AM	5,024,998	06/1991	Bodor	514	58	

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Group Art Unit	1645 1653
Examiner Name	Not Yet Assigned Moh/Am

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	5,068,227	11/1991	Weinshenker	514	58	
AM	5,070,081	12/1991	Majid et al.	514	58	
AM	5,087,461	02/1992	Levine et al.	426	96	
AM	5,096,893	03/1992	Pitha et al.	514	58	
AM	5,120,720	06/1992	Pitha et al.	514	58	
AM	5,134,127	07/1992	Stella et al.	514	58	
AM	5,147,756	09/1992	Fodor	430	264	
AM	5,173,481	12/1992	Pitha et al.	514	58	
AM	5,183,809	02/1993	Weisz et al.	514	58	
AM	5,192,743	03/1993	Hsu et al.	514	8	
AM	5,221,669	06/1993	Anand et al.	514	58	
AM	5,221,695	06/1993	Finch et al.	514	777	
AM	5,229,146	07/1993	Tanaka	426	1	
AM	5,281,579	01/1994	Estep	514	6	
AM	5,290,831	03/1994	Di Ruocco et al.	524	48	
AM	5,298,410	03/1994	Phillips et al.	435	188	
AM	5,300,280	04/1994	DeRosch et al.	424	1.53	
AM	5,324,718	06/1994	Loftsson	514	58	
AM	5,334,382	08/1994	Phillips et al.	424	94.3	
AM	5,348,941	09/1994	Middaugh et al.	514	12	
AM	5,354,560	10/1994	Lovrecich	424	489	
AM	5,376,632	12/1994	Konings et al.	514	8	
AM	5,376,645	12/1994	Stella et al.	514	58	
AM	5,399,670	03/1995	Bhattacharya et al.	530	383	
AM	5,426,184	06/1995	Pitha et al.	536	17.2	

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Group Art Unit

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	5,659,017	08/1997	Bhattacharya et al.	530	383	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AM	856792	12/1960	United Kingdom				
AM	57004914	01/1981	Japan (w/abstract)				X
AM	8203871	11/1982	WIPO				
AM	59 104556	06/1984	Japan			X	
AM	8502767	07/1985	WIPO				
AM	0149197	07/1985	EPO				X
AM	1222697	06/1987	Canada				
AM	9003784	04/1990	WIPO				
AM	4264020	09/1992	Japan (w/abstract)				X
AM	9214762	09/1992	WIPO				
AM	9319061	09/1993	WIPO				
AM	7069887	03/1995	Japan (w/abstract)				X
AM	9508993	04/1995	WIPO				

OTHER DOCUMENTS

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
AM	BREWSTER, M.E., et al., "Use of 2-Hydroxypropyl- β -cyclodextrin as a Solubilizing and Stabilizing Excipient for Protein Drugs," Pharmaceutical Research, 1991, Vol. 8, No. 6, pgs. 792-795.
AM	"Cavitron Cyclo-dextrins" (advertisement), Amaizo American maize-Products Company, CE &

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Abdel A. Mohamed	2/10/03

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Application Number	09/772,634
Filing Date	January 30, 2001
Applicant(s)	Steven W. Herring, et al.
Group Art Unit	1645-1653
Examiner Name	Not yet assigned MOHAMMED

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	4,540,573	09/1985	Neurath, et al.	424	85	
AM	5,447,920	09/1995	Matsuda, et al.	514	58	
AM	5,482,929	01/1996	Fukunaga, et al.	514	12	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

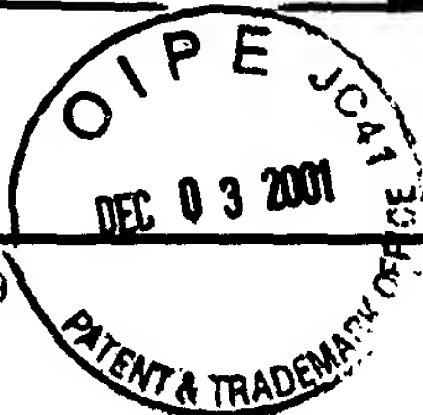
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
AM	FREDHOLT, et al., α -Chymotrypsin-catalyzed degradation of desmopressin (dDAVP): influence of pH, concentration and various cyclodextrins, International Journal of Pharmaceutics, 1999, pgs. 223-229, Volume 178.

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	Application Number	09/772,634
	Filing Date	January 30, 2001
	Applicant(s)	Steven W. Herring et al.
	Group Art Unit	1645/653
	Examiner Name	Not Yet Assigned <i>Mohamed</i>

OTHER DOCUMENTS	
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>my</i>	"Cavitron Cyclo-dextrins" (advertisement), Amaizo American maize-Products Company, CE & N, January-April 1992.
<i>✓</i>	CHARMAN, S.A., et al., "Techniques for Assessing the Effects of Pharmaceutical Excipients on the Aggregation of Porcine Growth Hormone," Pharmaceutical Research, 1993, Vol. 10, No. 7, pgs. 954-962.
<i>✓</i>	"Encapsin HPB, R81 216 hydroxypropyl- β -cyclodextrin, A Real Solution for Real Drug Delivery Problems," Janssen Biotech, N.V., Olen, Belgium, 8 pages.
<i>✓</i>	FUKUNAGA, K., et al., "Aluminum β -Cyclodextrin Sulphate as a Stabilizer and Sustained-release Carrier for Basic Fibroblast Growth Factor," J. Pharm. Pharmacol., 1994, 46: 168-171.
<i>✓</i>	HORA, M.S., et al., "Development of a Lyophilized Formulation of Interleukin-2," International Symposium on biological Product Freeze-Drying and Formulation, Bethesda, USA, 1990, Develop. biol. Standard., Vol. 74, pp. 295-306 (Karger, Basel, 1991).
<i>✓</i>	HORA, M.S., et al., "Lyophilized Formulations of Recombinant tumor necrosis Factor," Pharmaceutical Research, 1992, Vol. 9, No. 1, pgs. 33-36.
<i>Am</i>	RESSING, M.E., et al., "The Influence of Sucrose, Dextran, and Hydroxypropyl- β -cyclodextrin as Lyoprotectants for a Freeze-Dried Mouse IgG _{2a} Monoclonal Antibody (MN12)," Pharmaceutical Research, 1992, Vol. 9, No. 2, pgs. 266-270.
	U.S. Application No. 08/634,921, Filed April 19, 1996, Entitled: A PROCESS FOR VIRAL INACTIVATION OF LYOPHILIZED BLOOD PROTEINS, Bhattacharya, et al. (Abandoned), pgs. 1-18.
	U.S. Application No. 09/166,875, Filed October 6, 1998, Entitled: A PROCESS FOR VIRAL INACTIVATION OF LYOPHILIZED BLOOD PROTEINS, Bhattacharya, et al., pgs. 1-17.
	AMENDMENT, U.S. Application No. 09/166,875, Mailed June 28, 2001, Entitled: PROCESS FOR VIRAL INACTIVATION OF LYOPHILIZED BLOOD PROTEINS, Bhattacharya, et al., pgs. 1-7.

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